Function-Feature Intervals (version 4)
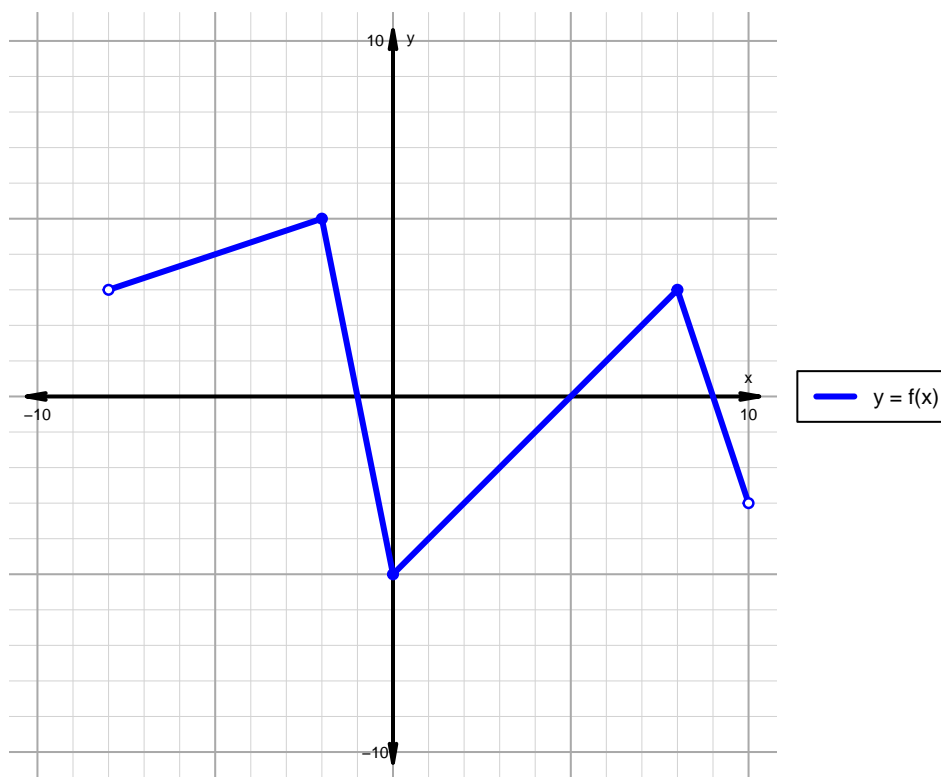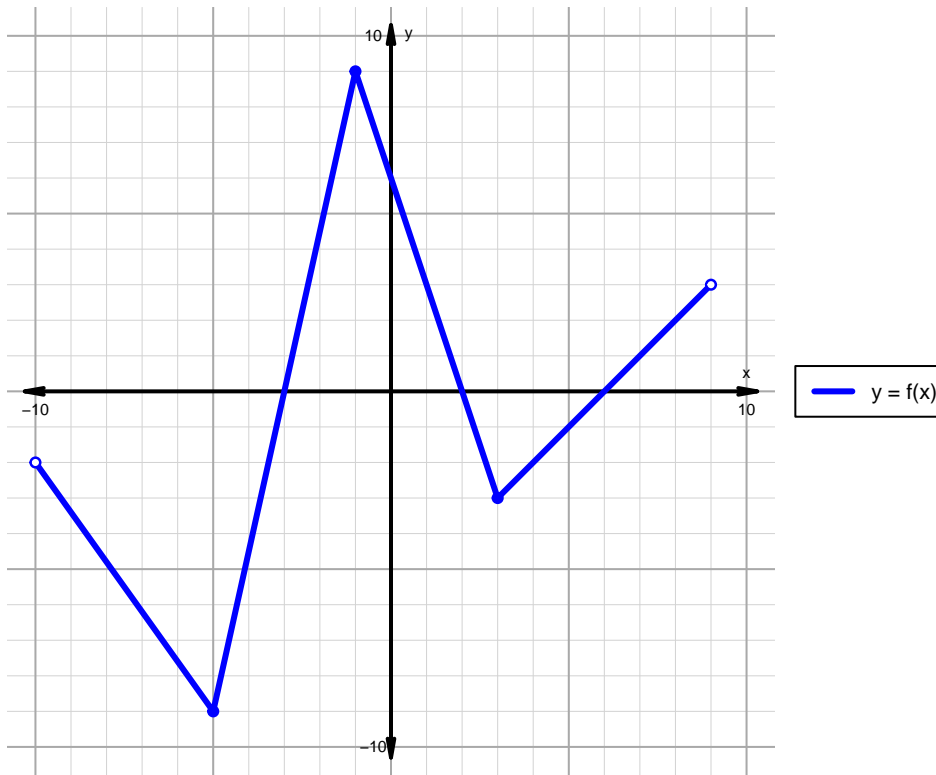
1. The function f is graphed below.

Indicate the following intervals using interval notation. Remember, you can use $\cup$ between two intervals to indicate the union. Except for range, all intervals will indicate x values; this is standard.

Feature	Where
Positive	$(-8, -1) \cup (5, 9)$
Negative	$(-1, 5) \cup (9, 10)$
Increasing	$(-8, -2) \cup (0, 8)$
Decreasing	$(-2, 0) \cup (8, 10)$
Domain	$(-8, 10)$
Range	$(-5, 5)$

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2. The function f is graphed below.

Indicate the following intervals using interval notation. Remember, you can use $\cup$ between two intervals to indicate the union. Except for range, all intervals will indicate x values; this is standard.

Feature	Where
Positive	$(-3, 2) \cup (6, 9)$
Negative	$(-10, -3) \cup (2, 6)$
Increasing	$(-5, -1) \cup (3, 9)$
Decreasing	$(-10, -5) \cup (-1, 3)$
Domain	$(-10, 9)$
Range	$(-9, 9)$

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